

**United States of America
FEDERAL COMMUNICATIONS COMMISSION
EXPERIMENTAL
SPECIAL TEMPORARY AUTHORIZATION**

EXPERIMENTAL

(Nature of Service)

XT MO

(Class of Station)

WM9XUL

(Call Sign)

0484-EX-ST-2018

(File Number)

NAME Raytheon Missile Systems

This Special Temporary Authorization is granted upon the express condition that it may be terminated by the Commission at any time without advance notice or hearing if in its discretion the need for such action arises. Nothing contained herein shall be construed as a finding by the Commission that the authority herein granted is or will be in the public interest beyond the express terms hereof.

This Special Temporary Authorization shall not vest in the grantee any right to operate the station nor any right in the use of the frequencies designated in the authorization beyond the term hereof, nor in any other manner than authorized herein. Neither the authorization nor the right granted hereunder shall be assigned or otherwise transferred in violation of the Communications Act of 1934. This authorization is subject to the right of use of control the Government of the United States conferred by Section 706 of the Communications Act of 1934.

Special Temporary Authority is hereby granted to operate the apparatus described below:

Purpose Of Operation:

Test flight of UAS and radio integration

Station Locations

- (1) MOBILE: Tucson, AZ. Testing on vacant portion of plant site, within 2 km, centered around NL 32-05-47; WL 110-57-06
- (2) MOBILE: San Nicholas Island, CA. over San Nicholas Island & surrounding ocean areas, within 10 km, centered around NL 33-14-57; WL 119-29-58
- (3) MOBILE: Oxnard, CA. flights primarily over ocean, within 10 km, centered around NL 34-06-36; WL 119-06-36
- (4) MOBILE: Over gulf of Mexico from Santa Rosa Island, within 10 km, centered around NL 30-23-15; WL 86-48-12

Frequency Information

MOBILE: Tucson, AZ. Testing on vacant portion of plant site, within 2 km, centered around NL 32-05-47; WL 110-57-06

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2312-2507 MHz	MO	3M85G1D 7M70G1D 4M06D1D 8M13D1D	17.23 W (ERP)	

This authorization effective June 13, 2018 and
will expire 3:00 A.M. EST October 11, 2018

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

MOBILE: Tucson, AZ. Testing on vacant portion of plant site, within 2 km, centered around NL 32-05-47; WL 110-57-06

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2312-2507 MHz	MO	15M4G1D 16M3D1D 32M5D1D	17.23 W (ERP)	

MOBILE: San Nicholas Island, CA. over San Nicholas Island & surrounding ocean areas, within 10 km, centered around NL 33-14-57; WL 119-29-58

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2312-2507 MHz	MO	3M85G1D 7M70G1D 4M06D1D 8M13D1D 15M4G1D 16M3D1D 32M5D1D	17.23 W (ERP)	

MOBILE: Oxnard, CA. flights primarily over ocean, within 10 km, centered around NL 34-06-36; WL 119-06-36

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2312-2507 MHz	MO	3M85G1D 7M70G1D 4M06D1D 8M13D1D 15M4G1D 16M3D1D 32M5D1D	17.23 W (ERP)	

Frequency Information

MOBILE: Over gulf of Mexico from Santa Rosa Island, within 10 km, centered around NL 30-23-15; WL 86-48-12

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2312-2507 MHz	MO	3M85G1D 7M70G1D 4M06D1D 8M13D1D 15M4G1D 16M3D1D 32M5D1D	17.23 W (ERP)	

Special Conditions:

- (1) Operation requires consent of affected Educational Broadband Service/Broadband Radio Service (EBS/BRS) licensees.
- (2) Licensee should be aware that other stations may be licensed on these frequencies and if any interference occurs, the licensee of this authorization will be subject to immediate shut down.
- (3) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (4) Licensee is required to coordinate operations with existing microwave users in the area to avoid interference.
- (5) Operation is subject to prior coordination with the local Society of Broadcast Engineers, Inc. (SBE) frequency coordinator. Consult the list at http://freq.sbe.org/pdf_files/coordinators.pdf to find the appropriate coordinator.
- (6) Prior to commencing any operations, the applicant must obtain consent from the WCS (2305-2320 MHz/2345-2360 MHz) licensee (AT&T)
- (7) Raytheon Missile Systems must notch out 2400 MHz and 2405.6 MHz at the Oxnard, CA location.
- (8) All operations must be pre-coordinated with the appropriate DoD Area Frequency Coordinator (AFC) as specified in NTIA Manual Annex D.